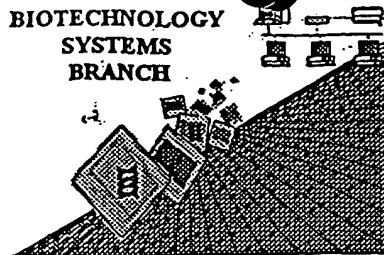


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



re-run

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/002,884

Source: OIPF

Date Processed by STIC: 12/13/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/002,884

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFT

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <210>-<213> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) ...
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/002,884

DATE: 12/13/2001
TIME: 09:17:25

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I002884.raw

3 <110> APPLICANT: Stein, Cy A
4 Benimetskaya, Luba
5 Guzzo-Pernell, Nancy
7 <120> TITLE OF INVENTION: PEPTIDES THAT DELIVER ANTISENSE OLIGONUCLEOTIDES WHICH
WNREGULATE
8 PROTEIN EXPRESSION IN CELLS
10 <130> FILE REFERENCE: 0575/63293
-> 12 <140> CURRENT APPLICATION NUMBER: US/10/002,884
-> 12 <141> CURRENT FILING DATE: 2001-11-02
12 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 32
18 <212> TYPE: PRT
19 <213> ORGANISM: ARTIFICIAL SEQUENCE
21 <220> FEATURE:
22 <223> OTHER INFORMATION: PEPTIDE *insufficient explanation - give source of*
24 <400> SEQUENCE: 1
26 Arg Arg Arg Arg Ser Arg Arg Arg Arg Arg Arg Phe Gly Arg Arg Arg
27 1 5 10 15
30 Arg Arg Arg Val Trp Arg Arg Arg Arg Arg Pro Lys Lys Lys Arg Lys Val
31 20 25 30
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 21
36 <212> TYPE: PRT
37 <213> ORGANISM: ARTIFICIAL SEQUENCE
39 <220> FEATURE:
40 <223> OTHER INFORMATION: PEPTIDE *same error*
42 <400> SEQUENCE: 2
44 Arg Arg Arg Arg Arg Arg Trp Gly Arg Arg Arg Arg Arg Arg Pro Lys
45 1 5 10 15
48 Lys Lys Arg Lys Val
49 20
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 21
54 <212> TYPE: PRT
55 <213> ORGANISM: ARTIFICIAL SEQUENCE
57 <220> FEATURE:
58 <223> OTHER INFORMATION: CONTROL PEPTIDE
60 <400> SEQUENCE: 3
62 Arg Arg Arg Arg Arg Arg Trp Gly Arg Arg Arg Arg Arg Arg Pro Lys
63 1 5 10 15
66 Gly Lys Arg Lys Val
67 20
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 31
72 <212> TYPE: PRT
73 <213> ORGANISM: ARTIFICIAL SEQUENCE

pp 1-2
Does Not Comply
Corrected Diskette Needed

*genetic material
(see item 11
on Enol
Summary
Sheet)*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/002,884

DATE: 12/13/2001
TIME: 09:17:25

Input Set : A:\ES.txt
Output Set: N:\CRF3\12132001\I002884.raw

75 <220> FEATURE:
76 <223> OTHER INFORMATION: CONTROL PEPTIDE
78 <400> SEQUENCE: 4
80 Arg Arg Arg Arg Ser Arg Arg Arg Arg Arg Phe Gly Arg Arg Arg
81 1 5 10 15
84 Arg Arg Arg Val Trp Arg Arg Arg Lys Pro Lys Arg Lys Val Lys
85 20 25 30
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 20
90 <212> TYPE: DNA
91 <213> ORGANISM: ARTIFICIAL SEQUENCE
93 <220> FEATURE:
94 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
96 <400> SEQUENCE: 5
97 gttctcgtcg gtgagtttca 20
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 18
102 <212> TYPE: DNA
103 <213> ORGANISM: ARTIFICIAL SEQUENCE
105 <220> FEATURE:
106 <223> OTHER INFORMATION: ANTISENSE OLIGONUCLEOTIDE
108 <400> SEQUENCE: 6
109 tctcccagcg tgcgccat 18
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 20
114 <212> TYPE: DNA
115 <213> ORGANISM: ARTIFICIAL SEQUENCE
117 <220> FEATURE:
118 <223> OTHER INFORMATION: SCRAMBLED ANTISENSE OLIGONUCLEOTIDE
120 <400> SEQUENCE: 7
121 ggttttacca tgcgttctgg 20
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 5
126 <212> TYPE: PRT
127 <213> ORGANISM: ARTIFICIAL SEQUENCE
129 <220> FEATURE:
130 <223> OTHER INFORMATION: PEPTIDE
132 <400> SEQUENCE: 8
134 Tyr Lys Asp Glu Leu
135 1 5
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 7
140 <212> TYPE: PRT
141 <213> ORGANISM: ARTIFICIAL SEQUENCE
143 <220> FEATURE:
144 <223> OTHER INFORMATION: PEPTIDE
146 <400> SEQUENCE: 9
148 Pro Lys Lys Lys Arg Lys Val
149 1 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/002,884

DATE: 12/13/2001.

TIME: 09:17:26

Input Set : A:\ES.txt

Output Set: N:\CRF3\12132001\I002884.raw

12 M:270 C: Current Application Number differs, Replaced Current Application No
12 M:271 C: Current Filing Date differs, Replaced Current Filing Date